

23660 XP-002332080

(C) WPI / DERWENT

D3

AN - 1995-237081 [31]

AP - JP19930325698 19931118

CPY - ONOD

DC - L02 M13

DR - 1521-U 1544-U

FS - CPI

IC - C01G25/00 ; C04B35/66 ; C23C4/10

MC - L02-A06 L02-D14N L02-D14P L02-G04 M13-C

PA - (ONOD) ONODA CEMENT CO LTD

PN - JP7144972 A 19950606 DW199531 C04B35/66 005pp

PR - JP19930325698 19931118

XA - C1995-108951

XIC - C01G-025/00 ; C04B-035/66 ; C23C-004/10

AB - J07144972 A new material for the thermal spray processing comprises zirconia and praseodymium oxide or sinter of their mixt.

- Another new material is also claimed which comprises zirconia, praseodymium oxide, alumina and/or zircon or sinter of their mixt.
- USE/ADVANTAGE - For the prodn. of a brown colour coating using the thermal spraying technique. A yellow colour coating with higher abrasion, corrosion and heat resistance can be obtd. It is applied to metal or concrete surface like steel caps of manholes.
- In an example, 80 ZrO₂ and 20 Pr₆O₁₁ (all in wt.%) were mixed and pulverised in a ball mill into powder having an average dia. of 30 micron. The powder was thermally sprayed to a stainless steel

(Zr, Pr)O₂, Al₂O₃
ultra fine powder
Al₂O₃ for thermal spray

and
stainless steel

substrate with a Ni-Al plating. (Dwg. 0/0)

IW - THERMAL SPRAY MATERIAL PRODUCE BROWN YELLOW COATING COMPRISE ZIRCONIA

PRASEODYMIUM OXIDE SINTER MIXTURE

IKW - THERMAL SPRAY MATERIAL PRODUCE BROWN YELLOW COATING COMPRISE ZIRCONIA

PRASEODYMIUM OXIDE SINTER MIXTURE

NC - 001

OPD - 1993-11-18

ORD - 1995-06-06

PAW - (ONOD) ONODA CEMENT CO LTD

TI - Thermal spray material for producing a brown or yellow coating - comprises zirconia and praseodymium oxide or sinter mixt. of them

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